Journal of Fluid Mechanics Volume 394 10 September 1999

A. C. Kuo & L. M. Polvani	Wave–vortex interaction in rotating shallow water. Part 1. One space dimension	1
B. R. Duffy & S. K. Wilson	Thin-film and curtain flows on the outside of a rotating horizontal cylinder	29
A. P. Dowling	A kinematic model of a ducted flame	51
P. D. Minev, U. Lange & K. Nandakumar	A comparative study of two-phase flow models relevant to bubble column dynamics	73
J. R. Fessler & J. K. Eaton	Turbulence modification by particles in a backward-facing step flow	97
P. Concus, R. Finn & M. Weislogel	Capillary surfaces in an exotic container: results from Space experiments	119
S. Boatto & R. T. Pierrehumbert	Dynamics of a passive tracer in a velocity field of four identical point vortices	137
A. N. Kaufman, J. J. Morehead, A. J. Brizard & E. R. Tracy	Mode conversion in the Gulf of Guinea	175
C. V. Seal & C. R. Smith	Visualization of a mechanism for three-dimensional interaction and near-wall eruption	193
S. V. Gordeyev & F. O. Thomas	Temporal subharmonic amplitude and phase behaviour in a jet shear layer: wavelet analysis and Hamiltonian formulation	205
A. S. M. Cherkaoui & W. S. D. Wilcock	Characteristics of high Rayleigh number two-dimensional convection in an open-top porous layer heated from below	241
R. Verzicco & J. Jiménez	On the survival of strong vortex filaments in 'model' turbulence	261
M. Prange, M. Wanschura, H. C. Kuhlmann & H. J. Rath	Linear stability of thermocapillary convection in cylindrical liquid bridges under axial magnetic fields	281
A. Vernet, G. A. Kopp, J. A. Ferré & F. Giralt	Three-dimensional structure and momentum transfer in a turbulent cylinder wake	303
M. F. G. Johnson, R. A. Schluter, M. J. Miksis & S. G. Bankoff	Experimental study of rivulet formation on an inclined plate by fluorescent imaging	339
F. Arena	Note on a paper by Ogilvie: the interaction between waves and a submerged horizontal cylinder	355
W. J. Devenport, C. M. Vogel & J. S. Zsoldos	Flow structure produced by the interaction and merger of a pair of co-rotating wing-tip vortices	357
INDEX TO VOLUME 394		378
SCHEDULE OF CONFERENCES ON FLUID MECHANICS		380

CAMBRIDGE UNIVERSITY PRESS

Cambridge Journals Online
www.journals.cup.org

0022-1120(1999)394;1-R

Journal of Fluid Mechanics Volume 394 10 September 1999

A. C. Kuo & L. M. Polvani	Wave–vortex interaction in rotating shallow water. Part 1. One space dimension	1
B. R. Duffy & S. K. Wilson	Thin-film and curtain flows on the outside of a rotating horizontal cylinder	29
A. P. Dowling	A kinematic model of a ducted flame	51
P. D. Minev, U. Lange & K. Nandakumar	A comparative study of two-phase flow models relevant to bubble column dynamics	73
J. R. Fessler & J. K. Eaton	Turbulence modification by particles in a backward-facing step flow	97
P. Concus, R. Finn & M. Weislogel	Capillary surfaces in an exotic container: results from Space experiments	119
S. Boatto & R. T. Pierrehumbert	Dynamics of a passive tracer in a velocity field of four identical point vortices	137
A. N. Kaufman, J. J. Morehead, A. J. Brizard & E. R. Tracy	Mode conversion in the Gulf of Guinea	175
C. V. Seal & C. R. Smith	Visualization of a mechanism for three-dimensional interaction and near-wall eruption	193
S. V. Gordeyev & F. O. Thomas	Temporal subharmonic amplitude and phase behaviour in a jet shear layer: wavelet analysis and Hamiltonian formulation	205
A. S. M. Cherkaoui & W. S. D. Wilcock	Characteristics of high Rayleigh number two-dimensional convection in an open-top porous layer heated from below	241
R. Verzicco & J. Jiménez	On the survival of strong vortex filaments in 'model' turbulence	261
M. Prange, M. Wanschura, H. C. Kuhlmann & H. J. Rath	Linear stability of thermocapillary convection in cylindrical liquid bridges under axial magnetic fields	281
A. Vernet, G. A. Kopp, J. A. Ferré & F. Giralt	Three-dimensional structure and momentum transfer in a turbulent cylinder wake	303
M. F. G. Johnson, R. A. Schluter, M. J. Miksis & S. G. Bankoff	Experimental study of rivulet formation on an inclined plate by fluorescent imaging	339
F. Arena	Note on a paper by Ogilvie: the interaction between waves and a submerged horizontal cylinder	355
W. J. Devenport, C. M. Vogel & J. S. Zsoldos	Flow structure produced by the interaction and merger of a pair of co-rotating wing-tip vortices	357
INDEX TO VOLUME 394		378
SCHEDULE OF CONFERENCES ON FLUID MECHANICS		380

CAMBRIDGE UNIVERSITY PRESS

Cambridge Journals Online
www.journals.cup.org

0022-1120(1999)394;1-R